

Authenticity
Integrity
Transparency



indoSky
Textile Machinery

About Our COMPANY

About Us :

We are a seasoned machine sales company with over a decade of expertise in weaving industry. Our extensive experience in the industry has given us deep insights into the challenges faced by weavers. Using our in-depth knowledge of their requirements and issues, we're well-equipped to offer customized solutions that help weavers overcome challenges and boost their productivity. Our company's story shows how we're dedicated to connecting advanced machines with the detailed art of weaving. This brings success to both weavers and our business.

Our Values :

Quality First: We are driven by an unyielding focus on delivering the best quality airjet loom machines to our customers. Each machine is crafted with precision and adheres to stringent quality standards, ensuring optimum performance and longevity.

Customer-Centric: Our customers are at the heart of everything we do. We believe in building strong, long-lasting relationships with our clients, understanding their unique needs, and offering tailored solutions to meet their specific requirements.

Innovation & Technology: Embracing innovation and leveraging advanced technology, we constantly evolve to stay ahead of the curve. Our airjet loom machines incorporate the latest advancements, enabling our customers to achieve unmatched efficiency and productivity.

Our Services :

After-Sales Support: Our commitment doesn't end with the sale. We provide comprehensive after-sales service, including maintenance, repairs, and spare parts supply, to ensure minimal downtime and uninterrupted production.

Technical Expertise: Our team of skilled technicians and engineers possess in-depth knowledge of airjet loom machines. They offer expert guidance and support to our customers, ensuring optimal performance and smooth operations.

Training & Skill Development: We believe in empowering our customers with the necessary knowledge and skills to maximize the potential of our machines. We offer training programs to operators and technicians to enhance their proficiency.

Our Vision :

Our Vision is to establish a manufacturing hub for textile machinery in India by 2027. We aim to contribute significantly to the "Make in India" initiative and create a thriving ecosystem that fosters innovation, job creation, and growth in the textile sector.

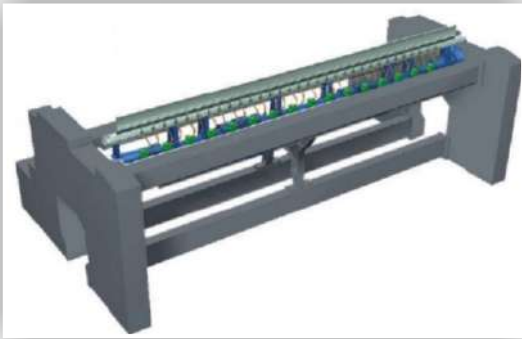
Join Us In Our Journey :

At **Indosky Textile Machinery**, we envision a future where the Indian textile industry thrives with cutting-edge technology and world-class machinery. Partner with us, and together, we will weave a tapestry of success and prosperity for the textile industry.

Contact us today to explore our range of airjet loom machines and experience the pinnacle of performance, reliability, and personalized service.



AIR JET MACHINE DIFFERENT PART`S DETAILS

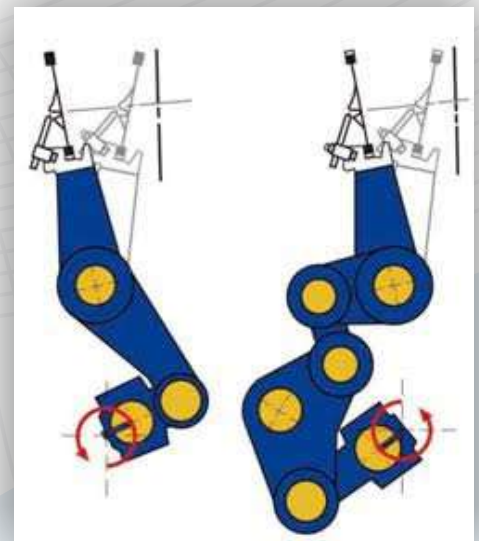


STRONG FRAME STRUCTURE AND STRUCTURE OF BEATING BALANCE :

The robust frame structure composed of a strong box frame on both sides and beams. Ensure the stable running and vibration resistance. Meanwhile add the beating balance structure. They ensure low noise and less vibration even at high speed on the wide loom this body is made in china.

OPTIMUM DESIGNED LINK BEATING MOTION

A 4-link beating motion that works excellently at ultra-high speed and a short connecting rod are used for standard looms. A6-link beating motion with more time allowance for filling insertion is used For wider looms, thus achieving more stable filling insertion



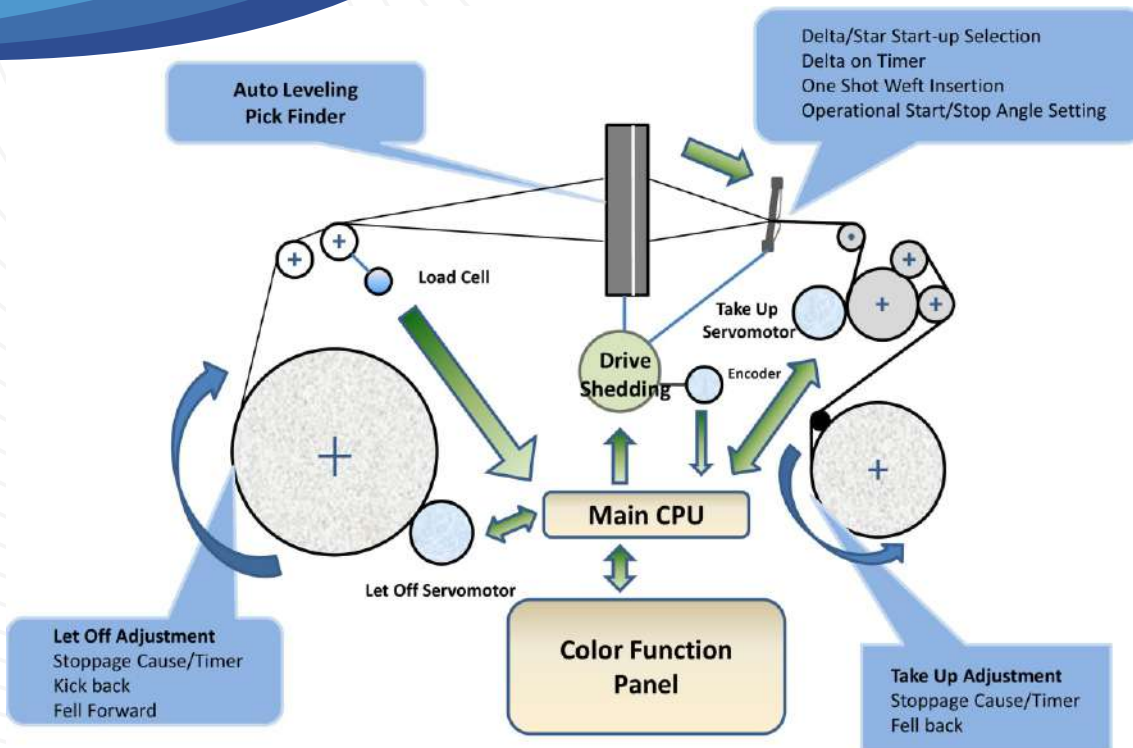
POSITIVE BACK-REST

Double rollers detect and maintain the correct warp tension regardless of the size of the beam diameter. Suitable For Sensitive Yarn.



ELECTRONIC LET-OFF AND STOP-MARK PREVENTION SYSTEM ENSURE HIGH FABRIC QUALITY

Weft density settings can be entered from the function panel (single pick density type). This system can also change weft density during loom operation (multiple pick density type).



LET-OFF MOTION

Let-off (warp control) controls the amounts of warp delivered and maintain the regional tension of the warp during weaving. Let off motion is driven by high precision servomotors equipped with speed reducer, connected with the loom. The tension on warp beam is maintained by machine automatically with the help of load cell to control the let off speed of back rest roller.

WEFT INSERTION - FEEDER

The weft Feeder comes in the next. It is mounted on the square and round pipes frame. It is also called Accumulator. The Feeder is fastened on this frame. The number of weft Feeders depends upon the number of colors getting used in the fabric Like 2, 4, or may be 6. This Feeder ensures a continuous supply of weft yarn at constant yarn tension during the weft insertion process.

TAKE-UP MOTION

Take-up motion pulls/winds the fabric from the area at a constant rate that is determined the required pick density. It means after the beat up of the weft, woven fabric is drawn away from the reed at the regular rate with the help of emery roller and this rate is decided by the number of picks (picks per inch / picks per 10 CM). In air jet loom take-up motion is driven by high precision servomotors equipped with speed reducer, connected with the loom



DETAILS ABOUT FEEDER

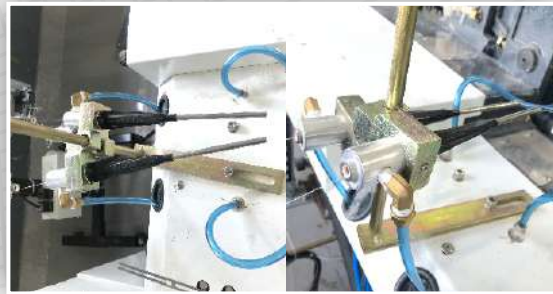
COMPANY	MODEL	ORIGIN
ROJ	ROJSuper ELF G2	European

1. Function Push Button.
- A. Signaling LED.
- B. Adjustment Screw for the Electromagnet Position.
- C, D, E. Adjustments Screws of Spool Body Diameter.
- F. Push Button for Setting Winding Disc Rotation.



AUXILIARY NOZZLE

The auxiliary nozzle comes next this comes according to colors used in fabric like 2, 4, or may be 6. the auxiliary nozzles has the job of unwinding the weft yarn from the feeder.



MAIN NOZZLE

The main nozzle comes in the next. this main nozzle is connected to the compressed air supply. The air supply of the main nozzle gets controlled by the control computer through the magnetic valve. An air pressure regulator valve regulates the air pressure of the main nozzle. the weft yarn rests inside the main nozzle.

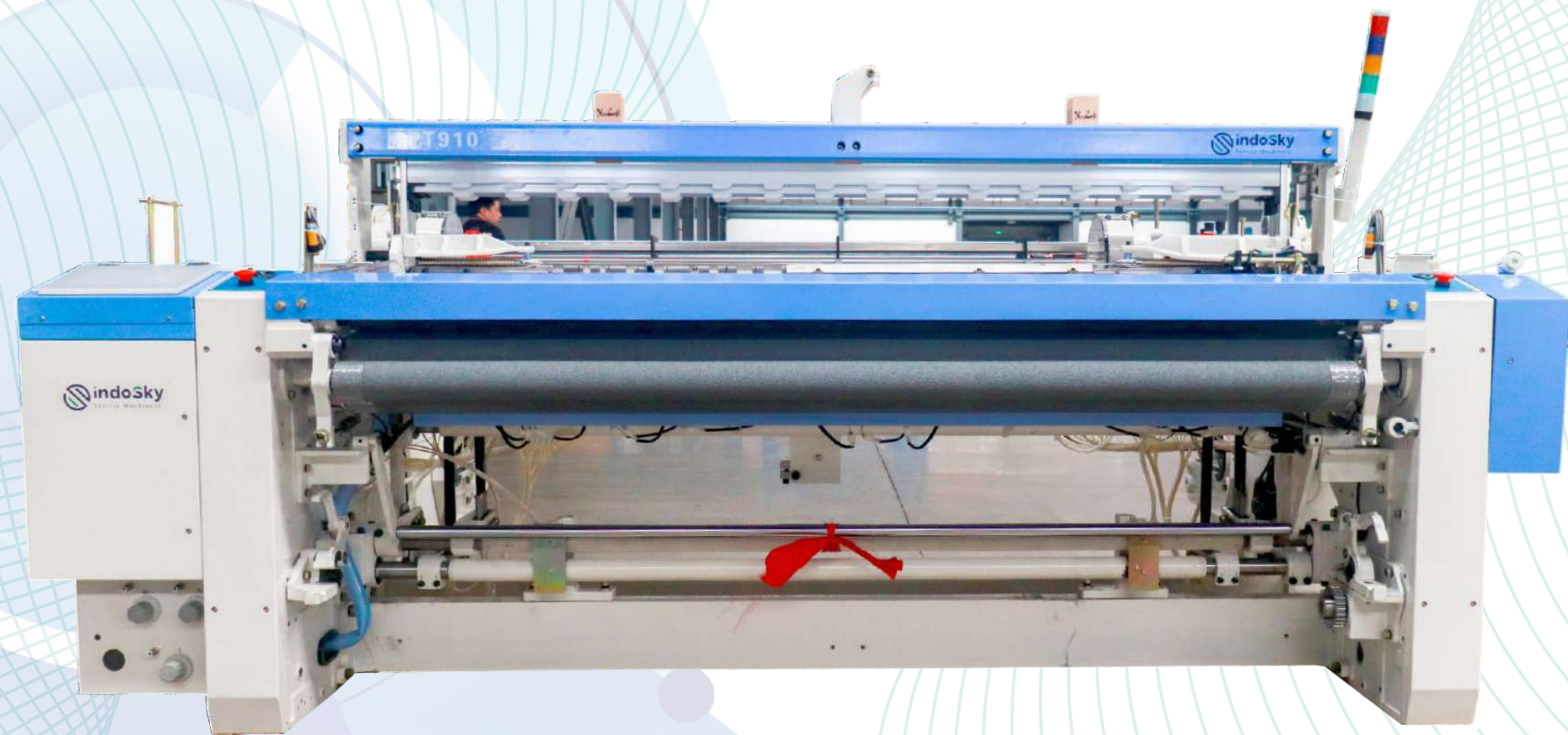
This is also according to color or quality of fabrics 2, 4 or may be 6.

WEFT CUTTER

This weft cutter is located at the receiving side. It is an mechanical standard device which cut the weft yarn extending between main nozzle and reed. Here we provide optional electronically operated device.



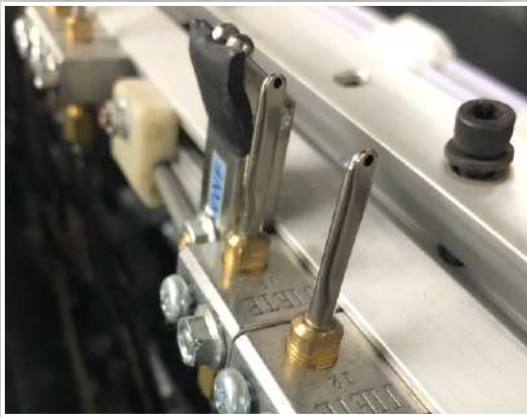
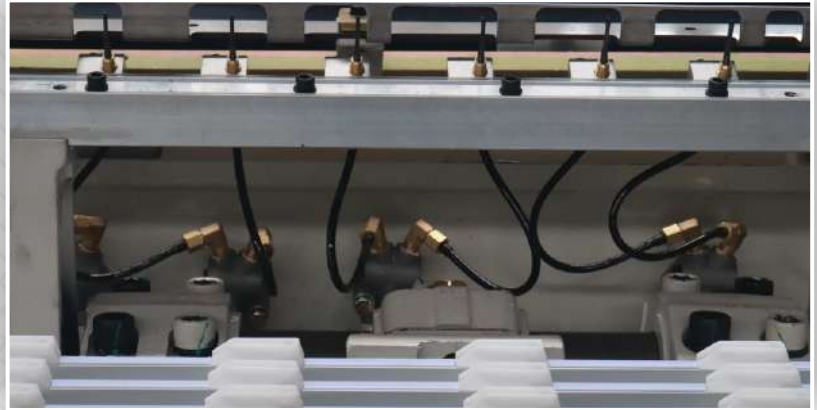
HIGH SPEED AIR JET LOOM



- ▶ Low CFM
- ▶ High Speed
- ▶ More Energy Saving
- ▶ Strong & Heavy Body Structure

RELAY NOZZLE AND VALVE

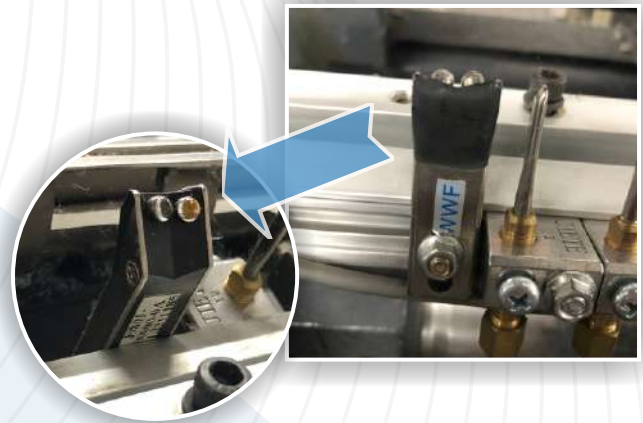
One valve control with two sub nozzles these relay nozzles are connected to the compressed air supply and are individually controlled by magnetic Solenoid valves.



Here We Provide Original SMC Solenoid Valve which Made in Japan. Which Connect with Computer Program Control with they respond to the signal at high speed.

WEFT FILLING SENSOR

A filling detector is mounted at the ending side on the reed. It detects the presence of weft regularly. If weft yarn insertion falls short or gets failed, the filling detector stops the loom immediately. When the weft insertion gets completed, the reed starts to move toward the front dead centre position and beats the last inserted pick.

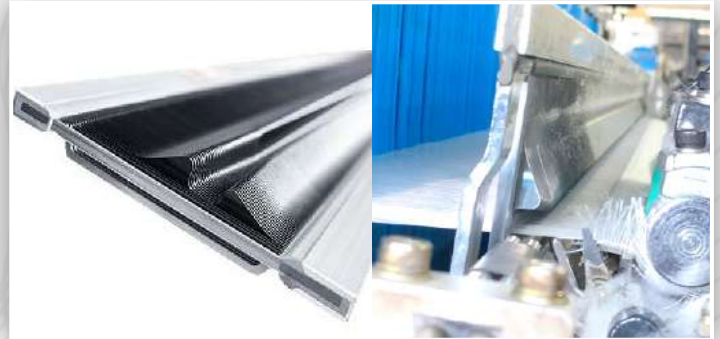


UNIFIED LUBRICATING SYSTEM

Main transmission parts (casing parts) is lubricated by oil bath and others are lubricated by centralized oil-supplying system. Automatic oil-supplying device can automatically lubricate equipment by the instructions on display.

PROFILE REED

Here the reed is conical shape. Which means starting part of reed is wider than rest of part so as forma guide channel which guides the air as well as weft during insertion. Reed`s length is according to machine`s length.



FRAMES

Solid structure, the basis for any application. Here we Provide NEW LIGHT company`s Frame. Which Origin from JAPAN.

DRIVE SYSTEM : MOTOR - X

1. Motor Type: Direct Drive Motor X
2. Energy Efficiency: 15-25% reduction in electricity consumption compared to AC motors
3. Maintenance: Minimal maintenance required due to the absence of belts or gears



AUTO PICK FINDING (APF)

Here Auto Pick Finding System Activates when Weft Brakes than APF automatic Stop and One Step Back of weaving warp so that broken weft can Easily Remove.



AGB ADJUSTABLE GUIDE BAR

Style-change time is significantly reduced. Without cutting the guide bar according to the reeding width, it is easy to adjust the guide bar length. The guide bar sits in the red tunnel and the cloth fell is supported, allowing stable operation.

ACI - AIR CONSUMPTION INDICATOR

By indicating air consumption per loom, abnormal settings can be easily found on the display.

HAND SAFETY SENSOR LEFT AND RIGHT SIDE



Here also we provide hand safety sensor for your worker safety. If hands go near that sensor's range machine stop automatically and display shows pop up message for safety.







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